

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Small Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
26787-C

Total Pages in this Submission  
*82*

**TO THE COMMISSIONER FOR PATENTS**

Mail Stop Patent Application

P.O. Box 1450

Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**REACTIVE NANOPARTICLES AS DESTRUCTIVE ADSORBENTS FOR BIOLOGICAL AND CHEMICAL CONTAMINATION**

and invented by:

Olga Koper; Kenneth J. Klabunde; Lisa S. Martin; Kyle B. Knappenberger; Laura L. Hiladky; and Shawn Decker

22151 U.S. PRO  
10/1658011



If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

Continuation    Divisional    Continuation-in-part (CIP) of prior application No.: 09/824,947

Which is a:

Continuation    Divisional    Continuation-in-part (CIP) of prior application No.: 09/549,991

Which is a:

Continuation    Divisional    Continuation-in-part (CIP) of prior application No.: 09/153,437

Enclosed are:

**Application Elements**

1.  Filing fee as calculated and transmitted as described below
2.  Specification having 35 pages and including the following:
  - a.  Descriptive Title of the Invention
  - b.  Cross References to Related Applications (*if applicable*)
  - c.  Statement Regarding Federally-sponsored Research/Development (*if applicable*)
  - d.  Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e.  Background of the Invention
  - f.  Brief Summary of the Invention
  - g.  Brief Description of the Drawings (*if filed*)
  - h.  Detailed Description
  - i.  Claim(s) as Classified Below
  - j.  Abstract of the Disclosure

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**Application Elements (Continued)**

3.  Drawing(s) (when necessary as prescribed by 35 USC 113)
  - a.  Formal Number of Sheets \_\_\_\_\_ 9
  - b.  Informal Number of Sheets \_\_\_\_\_
4.  Oath or Declaration
  - a.  Newly executed (*original or copy*)  Unexecuted
  - b.  Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
  - c.  With Power of Attorney  Without Power of Attorney
  - d.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5.  Incorporation By Reference (*usable if Box 4b is checked*)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6.  CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7.  Application Data Sheet (See 37 CFR 1.76)
8.  Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)
  - a.  Computer Readable Form (CFR)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  Paper
  - c.  Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(B) Statement (when there is an assignee)
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  Certificate of Mailing  
 First Class  Express Mail (*Specify Label No.:* EV343764485 US)

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**(Small Entity)**

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**Accompanying Application Parts (Continued)**

17.  Applicant claims small entity status. See 37 CFR 1.27.  
 (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted: \_\_\_\_\_

18.  Additional Enclosures (please identify below):

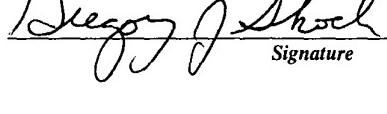
Statement in support of Petition to make  
Special  
- and -  
Petition to make Special § 708.02(VIII)

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

19.  Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

**Warning**

*An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.*

|    | <b>UTILITY PATENT APPLICATION TRANSMITTAL</b><br><b>(Small Entity)</b><br><i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i> | Docket No.<br>26787-C                       |        |           |                         |          |
|---|--|---|--------|-----------|-------------------------|----------|
|   |  | Total Pages in this Submission<br><b>82</b> |        |           |                         |          |
| <b>Fee Calculation and Transmittal</b>  |  |   |        |           |                         |          |
| <b>CLAIMS AS FILED</b>  |  |   |        |           |                         |          |
| For   | #Filed   | #Allowed                                    | #Extra | Rate      | Fee                     |          |
| Total Claims  | 25   | - 20 =                                      | 5      | x \$9.00  | \$45.00                 |          |
| Indep. Claims   | 6  | - 3 =                                       | 3      | x \$42.00 | \$126.00                |          |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/>  |  |   |        |           | \$0.00                  |          |
|   |  |   |        |           | <b>BASIC FEE</b>        | \$375.00 |
| OTHER FEE (specify purpose)   |  |   |        |           | \$0.00                  |          |
|   |  |   |        |           | <b>TOTAL FILING FEE</b> | \$546.00 |
| <p><input checked="" type="checkbox"/> A check in the amount of <b>\$546.00</b> to cover the filing fee is enclosed.</p> <p><input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <b>19-0522</b> as described below.</p> <p><input type="checkbox"/> Charge the amount of _____ as filing fee.</p> <p><input checked="" type="checkbox"/> Credit any overpayment.</p> <p><input checked="" type="checkbox"/> Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.</p> <p><input type="checkbox"/> Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).</p> |  |   |        |           |                         |          |
| Dated: <b>September 9, 2003</b>   |  |   |        |           |                         |          |
| <br><b>Gregory J. Skoch</b><br>Signature  |  |   |        |           |                         |          |
| <b>Gregory J. Skoch, Reg. No. 48,267</b><br><b>HOVEY WILLIAMS LLP</b><br><b>2405 Grand Boulevard, Suite 400</b><br><b>Kansas City, MO 64108</b><br><b>816/474-9050</b>  |  |   |        |           |                         |          |
| CC:   |  |   |        |           |                         |          |

Gregory J. Shoch  
Signature

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cc:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

KOPER, OLGA et al.

Serial No. :

Filed: September 9, 2003

REACTIVE NANOPARTICLES AS  
DESTRUCTIVE ADSORBENTS FOR  
BIOLOGICAL AND CHEMICAL  
CONTAMINATION

Docket No. 26787-CNT1

Group Art Unit No. 1754

Examiner:

Assistant Commissioner of Patents  
Alexandria, VA 22313

Sir:

EXPRESS MAIL TRANSMITTAL

Transmitted herewith are: Utility Patent Application Transmittal (4 pgs); Specification (31 pgs); Claims (3 pgs); Abstract (1 pg); 9 drawing sheets (9 pgs); Declaration and Power of Attorney (3 pgs); \$546.00 filing fee; Petition to Make Special § 708.02 (VIII) (2 pgs); Statement in Support of Petition to Make Special (11 pgs); \$130.00 petition fee; Information Disclosure Statement (1 pg); IDS Form 1449 (1 pg) and cited references (16) and return postcard.

EV343764485US

Date: September 9, 2003

Respectfully submitted,

By Gregory Skoch  
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